

DH-IPC-HFW3441DGP-AS-4G

4MP IR Fixed-focal Bullet WizSense 4G Network Camera



Series Overview

With advanced deep learning algorithm, Dahua WizSense 3 Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. With starlight technology, this series camera provides a better image effect in the condition of low illuminance.

Functions

SMD 3.0

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

4G

With a built-in high-performance 4G mobile network module, the camera can be directly registered to cloud platforms after a 4G SIM card has been inserted into it. It can be installed anywhere without the hassle of network cables. Users can perform real-time monitoring and remote control of the camera from a mobile client through 4G network.

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion) are largely reduced. • 4-MP 1/3" CMOS image sensor, low luminance, and high definition image.

- Outputs max. 4 MP (2688 × 1520) @25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light/IR LED.
- Sound and light alarm linkage. When the alarm is triggered, the sound and light will be linked.
- Built in high-performance 4G Module that suits all mobile networks. Installation is no longer limited to wired networks. Please test the local 4G network with the camera before use.
- Built-in PIR sensor that detects human body through passive infrared which is sensitive to body temperature.
- Built-in 8 GB eMMC memory chip that protects key records from being lost.
- Intrusion, tripwire (support the classification and accurate detection of vehicle and human).
- Abnormality detection: Motion detection, video tampering, audio detection, SD card full, SD card error, network disconnection, IP conflict and illegal access.
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; RS485:1 (Only report the information of solar battery, such as power and battery level), Supports max. 256 G Micro SD card; built in MIC and speaker; support two-way talk.
- IP67 protection.
- SMD 3.0.



Protection (IP67)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Cyber Security

Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.

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Stream Capability

3 streams

Technical Specification						
Camera						
Image Sensor		1/3" CMOS				
Max. Resolution		2688 (H) × 1520 (V)				
ROM		128MB				
RAM		256MB				
Scanning System		Progressive				
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s				
Min. Illumination		0.01 Lux@F1.6 (Color,30IRE) 0.001 Lux@F1.6 (B/W,30IRE) 0 lux (Illuminator on)				
S/N Ratio	S/N Ratio		>56 dB			
Illumination Distance		IR: 50 m (164.04 ft) Warm light: 30 m (98.43 ft)				
Illuminator On/Off Control		Auto;Manual				
Illuminator Number		1 (IR LED); 1 (Warm light)				
Angle Adjustment		Pan: 0°–360° Tilt: –60°–0° Rotation: 0°–360°				
PIR Sensor Distance		10 m (the height of device is 2.5 m, placed horizontally) 5 m (the height of the device is 2 m, placed at an angle of 30° from the horizontal)				
Lens						
Lens Type		Fixed-focal				
Lens Mount	Lens Mount		M12			
Focal Length		2.8 mm; 3.6 mm; 6 mm				
Max. Aperture		2.8 mm: F1.6 3.6 mm: F1.6 6 mm: F1.6				
Field of View		2.8 mm: H: 102°; V: 54°; D:121° 3.6 mm: H: 84°; V: 42°; D:101° 6 mm: H: 52°; V: 48°; D:61°				
Iris Control		Fixed				
Close Focus Distance		2.8 mm: 0.9 m (2.95 ft) 3.6 mm: 1.7 m (5.58 ft) 6 mm: 3.2 m (10.50 ft)				
	Lens	Detect	Observe	Recognize	Identify	
DORI	2.8 mm	63.6 m (208.66 ft)	25.4 m (83.33 ft)	12.7 m (41.67 ft)	6.4 m (21.00 ft)	
Distance	3.6 mm	85.4 m (280.18 ft)	34.2 m (112.20 ft)	17.1 m (56.10 ft)	8.5 m (27.89 ft)	
	6 mm	124.0 m (406.82 ft)	49.6m (162.73 ft)	24.8m (81.36 ft)	12.4m (40.68 ft)	
Video	Video					
Video Compr	Video Compression		H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)			
Video Frame Rate		Main stream: 2688 × 1520 @(1–25/30 fps) sub stream: 704 × 576 @ (1–25 fps)/704 × 480 @ (1–30 fps) Sub stream 1: 1920 × 1080 @ (1–25/30 fps)				

Resolution	4M (2688 × 1520); 4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 ×960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)	
Bit Rate Control	CBR/VBR	
Video Bit Rate	H.264: 32 kbps-8192 kbps H.265: 32 kbps-8192 kbps	
Day/Night	Auto(ICR)/Color/B/W	
BLC	Yes	
HLC	Yes	
WDR	120 dB	
Scene Self-adaptation (SSA)	Yes	
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom	
Gain Control	Auto	
Noise Reduction	3D NR	
Motion Detection	OFF/ON (4 areas, rectangular)	
Region of Interest (Rol)	Yes (4 areas)	
Smart Illumination	Yes	
Mirror	Yes	
Privacy Masking	4 areas	
Audio		
Built-in MIC	Yes	
Built-in Speaker	Yes	
Audio Compression	G.711a;G.711Mu; G.726; PCM	
Alarm		
Alarm Event	SD card error; SD card full; IP conflict; illegal access; motion detection; video tampering; Scene Changing; audio detection; security exception; PIR alarm; external alarm; low battery alarm; light alarm; sound alarm	
Network		
Network Port	RJ-45 (10/100 Base-T)	
Frequency	LTE FDD:B1/3/5/7/8/20/28 LTE TDD:B38/40/41 WCDMA:B1/5/8 GSM/GPRS/EDGE:B3/5/8	
SDK and API	Yes	
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade	
Network Protocol	IPv4; IPv6; HTTP;TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P	
Interoperability	ONVIF (Profile S/Profile G); CGI	
User/Host	20 (Total bandwidth: 80 M)	

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Storage	Bulit in eMMC (8 GB); FTP;SFTP; Micro SD card (support max. 256 GB); NAS			
Browser	IE Chrome Firefox			
Management Software	DSS; DMSS			
Mobile Client	iOS; Android			
Certification				
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU; FCC: 47 CFR FCC Part 15; Subpart B			
Port				
Audio Input	1 channel (RCA port)			
Audio Output	1 channel (RCA port)			
Alarm Input	1 channel in: 5 mA 3–5 VDC			
Alarm Output	1 channel out: 300 mA 12 VDC			
RS-485	1 (Only report the information of solar battery, such as power and battery level)			
Power				
Power Supply	12 VDC			
Power Consumption	Sleep Mode: 0.03 W General Mode: 4 W Power Saving Mode: 2 W Max. (4G pulling stream+IR+speaker+warning light): 7.5 W			
Environment				
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)			
Operating Humidity	≤ 95%			
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)			
Protection	IP67			
Structure				
Casing	Metal + plastic			
Product Dimensions	132 mm × 219 mm×179 mm (5.20" × 8.62" × 7.05") (L × W × H)			
Packaging Dimensions	280 mm × 239 mm × 146 mm (11.02" × 9.41" × 5.75") (L × W × H)			
Net Weight	680 g (1.50 lb)			
Gross Weight	1180 g (2.60 lb)			

Ordering Information					
Туре	Model	Description			
4MP Camera	DH-IPC-HFW3441DGP- AS-4G	4MP IR Fixed focal Bullet WizSense 4G Network Camera			
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	DH-IPC-HFW3441DGP- AS-4G	4MP IR Fixed focal Bullet WizSense 4G Network Camera			
	PFB121W	Wall Mount Bracket			
	PFA162	Universal Joint			
	PFA150	Pole Mount Bracket			
Accessories	PFA121	Water-proof Junction Box			
Accessories	PFA156	Pole Mount Bracket			
	РҒМ900-Е	Integrated Mount Tester			
	TF-P100	MicroSD Memory Card			
	PFM321D	12 VDC 1A Power Adapter			

Accessories

Included:



PFB121W Wall Mount Bracket

Optional:



PFA162

Universal Joint



Bracket



PFM900-E Integrated Mount Tester



PFA121 Water-proof Junction Box



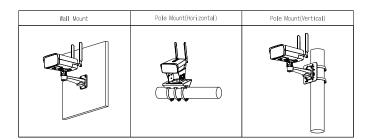
TF-P100 MicroSD Memory Card

PFA156 Pole Mount Bracket

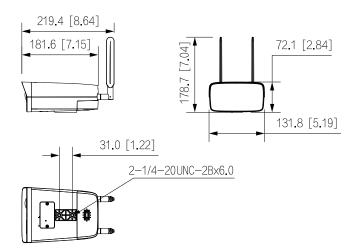


PFM321D 12 VDC 1A Power Adapter

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Dimensions (mm[inch])



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